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OM protein - protein search, using sw model

Run on: July 26, 2005, 11:18:36 ; Search time 155 Seconds
(without alignments)
411.579 Million cell updates/sec

Title: US-09-981-289A-2
Perfect score: 863
Sequence: 1 MHHHHHVRSSRTSPDKEPV.....RPDYLDFAESGVFGIIAL 164

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1741741 seqs, 388992284 residues

Total number of hits satisfying chosen parameters: 1741741

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pcp.*
2: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pcp.*
3: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pcp.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pcp.*
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6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pcp.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pcp.*
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9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pcp.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pcp.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pcp.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pcp.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pcp.*
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15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pcp.*
16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pcp.*
17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pcp.*
18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pcp.*
19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pcp.*
20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pcp.*
21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pcp.*
22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	863	100.0	164	9	US-09-798-789-2
2	863	100.0	164	9	US-09-981-289-2
3	859	99.5	164	14	US-10-262-630-2
4	836	96.9	181	16	US-10-488-374-2
5	817	94.7	597	9	US-09-903-327A-11
6	816	94.6	180	16	US-10-738-423-8
7	815	94.4	514	14	US-10-295-074-49
8	815	94.4	514	14	US-10-295-074-51
9	815	94.4	514	16	US-10-846-911-49
10	815	94.4	514	16	US-10-846-911-51
11	810	93.9	157	9	US-09-756-301A-1
Sequence 2, Appli					
Sequence 2, Appli					
Sequence 2, Appli					
Sequence 11, Appli					
Sequence 8, Appli					
Sequence 49, Appli					
Sequence 51, Appli					
Sequence 49, Appli					
Sequence 51, Appli					
Sequence 1, Appli					

12	810	93.9	157	9	US-09-927-703-1	Sequence 1, Appli
13	810	93.9	157	9	US-09-854-280-19	Sequence 19, Appli
14	810	93.9	157	9	US-09-934-465-13	Sequence 13, Appli
15	810	93.9	157	9	US-09-766-535A-1	Sequence 1, Appli
16	810	93.9	157	9	US-09-854-208-19	Sequence 19, Appli
17	810	93.9	157	9	US-09-756-161A-1	Sequence 1, Appli
18	810	93.9	157	9	US-09-903-327A-7	Sequence 7, Appli
19	810	93.9	157	10	US-09-756-398B-1	Sequence 1, Appli
20	810	93.9	157	10	US-09-897-724-1	Sequence 1, Appli
21	810	93.9	157	13	US-10-010-229-1	Sequence 1, Appli
22	810	93.9	157	13	US-10-043-450-1	Sequence 1, Appli
23	810	93.9	157	13	US-10-044-534-1	Sequence 1, Appli
24	810	93.9	157	14	US-10-059-007A-1	Sequence 1, Appli
25	810	93.9	157	14	US-10-043-432-1	Sequence 1, Appli
26	810	93.9	157	14	US-10-119-621-1	Sequence 1, Appli
27	810	93.9	157	14	US-10-208-145-1	Sequence 1, Appli
28	810	93.9	157	14	US-10-305-347A-9	Sequence 9, Appli
29	810	93.9	157	14	US-10-198-845-1	Sequence 1, Appli
30	810	93.9	157	14	US-10-227-488-1	Sequence 1, Appli
31	810	93.9	157	14	US-10-170-812-7	Sequence 7, Appli
32	810	93.9	157	14	US-10-187-121-1	Sequence 1, Appli
33	810	93.9	157	14	US-10-176-460-1	Sequence 1, Appli
34	810	93.9	157	14	US-10-186-559-1	Sequence 1, Appli
35	810	93.9	157	14	US-10-371-961-1	Sequence 1, Appli
36	810	93.9	157	14	US-10-200-795-1	Sequence 1, Appli
37	810	93.9	157	14	US-10-319-011-1	Sequence 1, Appli
38	810	93.9	157	14	US-10-371-443-1	Sequence 1, Appli
39	810	93.9	157	14	US-10-379-866-1	Sequence 1, Appli
40	810	93.9	157	15	US-10-371-962-1	Sequence 1, Appli
41	810	93.9	157	15	US-10-354-985-1	Sequence 1, Appli
42	810	93.9	157	15	US-10-337-786A-1	Sequence 1, Appli
43	810	93.9	157	16	US-10-665-971-1	Sequence 1, Appli
44	810	93.9	157	16	US-10-637-759-1	Sequence 1, Appli
45	810	93.9	157	16	US-10-327-619-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-798-789-2
; Sequence 2, Application US/09798789
; Patent No. US20020009780A1
; GENERAL INFORMATION:
; APPLICANT: Daihivat, Bassil
; APPLICANT: Filikov, Anton
; TITLE OF INVENTION: DESIGN AND DISCOVERY OF PROTEIN BASED TNF-ALPHA
; TITLE OF INVENTION: VARIANTS FOR THE TREATMENT OF TNF-ALPHA RELATED
; TITLE OF INVENTION: DISORDERS
; FILE REFERENCE: A-68990-1/RFT/RMS/RWK
; CURRENT APPLICATION NUMBER: US/09/798,789
; CURRENT FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: US 60/186,427
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 164
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-798-789-2

Query Match	100.0%	Score 863;	DB 9;	Length 164;
Best Local Similarity	100.0%	Pred. No. 8.7e-83;		
Matches 164;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MHHHHHVRSSRTSPDKEPV	1	MHHHHHVRSSRTSPDKEPV
DB	1	MHHHHHVRSSRTSPDKEPV	1	MHHHHHVRSSRTSPDKEPV
QY	61	GLYLIYSQVLFKGGCPSHTVLLTHTTISRIASVYQTKVNLISAIKSPCORETEPEGAEXP	120	GLYLIYSQVLFKGGCPSHTVLLTHTTISRIASVYQTKVNLISAIKSPCORETEPEGAEXP
DB	61	GLYLIYSQVLFKGGCPSHTVLLTHTTISRIASVYQTKVNLISAIKSPCORETEPEGAEXP	120	GLYLIYSQVLFKGGCPSHTVLLTHTTISRIASVYQTKVNLISAIKSPCORETEPEGAEXP

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Qy 121 WYEPYLGGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIALL 164
Db 121 WYEPYLGGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIALL 164

RESULT 2
US-09-981-289-2
; Sequence 2, Application US/09981289
; Patent No. US2002011086A1
; GENERAL INFORMATION:
; APPLICANT: Dahiyat, Bassil I.
; TITLE OF INVENTION: DESIGN AND DISCOVERY OF PROTEIN BASED TNF-ALPHA FOR THE TREATMENT
; TITLE OF INVENTION: ALPHA RELATED DISORDERS
; FILE REFERENCE: A-68990-3/RFT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/981,289
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: US 60/186,427
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 09/945,150
; PRIOR FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: US 09/798,789
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 164
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-981-289-2

Query Match 100.0%; Score 863; DB 9; Length 164;
Best Local Similarity 100.0%; Pred. No. 8.7e-83; Indels 0; Gaps 0;
Matches 164; Conservative 0; Mismatches 0;

Qy 1 MHHHHHVRSSSRTPSDKPVAVHVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSE 60
Db 1 MHHHHHVRSSSRTPSDKPVAVHVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSE 60

Qy 61 GLYLIYSQVLPKGGCGPSTHLLTHTTSRIASVYQTKVNLLSAIKSPCQRETPEGAEAKP 120
Db 61 GLYLIYSQVLPKGGCGPSTHLLTHTTSRIASVYQTKVNLLSAIKSPCQRETPEGAEAKP 120

Qy 121 WYEPYLGGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIALL 164
Db 121 WYEPYLGGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIALL 164

RESULT 3
US-10-262-630-2
; Sequence 2, Application US/10262630
; Publication No. US20030138401A1
; GENERAL INFORMATION:
; APPLICANT: Dahiyat, Bassil I.
; APPLICANT: Desjarlais, John R.
; APPLICANT: Filikov, Anton
; APPLICANT: Muchhal, Umesh
; APPLICANT: Tansey, Malu Lourdas G.
; APPLICANT: Zalevsky, Jonathan
; TITLE OF INVENTION: PROTEIN BASED TNF-ALPHA VARIANTS FOR THE TREATMENT OF TNF-ALPHA
; TITLE OF INVENTION: RELATED DISORDERS
; FILE REFERENCE: A-68990-4/RFT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/10/262,630
; CURRENT FILING DATE: 2003-01-27
; PRIOR APPLICATION NUMBER: US 60/186,427
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 09/945,150
; PRIOR FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: US 09/798,789
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: US 09/981,289
; PRIOR FILING DATE: 2001-10-15
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; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 164
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-262-630-2

Query Match 99.5%; Score 859; DB 14; Length 164;
Best Local Similarity 99.4%; Pred. No. 2.3e-82; Indels 0; Gaps 0;
Matches 163; Conservative 0; Mismatches 1;

Qy 1 MHHHHHVRSSSRTPSDKPVAVHVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSE 60
Db 1 MHHHHHVRSSSRTPSDKPVAVHVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSE 60

Qy 61 GLYLIYSQVLPKGGCGPSTHLLTHTTSRIASVYQTKVNLLSAIKSPCQRETPEGAEAKP 120
Db 61 GLYLIYSQVLPKGGCGPSTHLLTHTTSRIASVYQTKVNLLSAIKSPCQRETPEGAEAKP 120

Qy 121 WYEPYLGGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIALL 164
Db 121 WYEPYLGGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIALL 164

RESULT 4
US-10-488-374-2
; Sequence 2, Application US/10488374
; Publication No. US20040265392A1
; GENERAL INFORMATION:
; APPLICANT: Tovar, Gunter
; APPLICANT: Schiestel, Thomas
; APPLICANT: Brunner, Herwig
; APPLICANT: Pfizenmaier, Klaus
; APPLICANT: Grell, Matthias
; APPLICANT: Scheurich, Peter
; APPLICANT: Hammer, Angela
; TITLE OF INVENTION: NANOPARTICLES COMPRISING BIOLOGICALLY ACTIVE TNF WHICH IS IMMOBILIZ
; FILE REFERENCE: P/2107-246
; CURRENT APPLICATION NUMBER: US/10/488,374
; CURRENT FILING DATE: 2004-03-01
; PRIOR APPLICATION NUMBER: PCT/EP02/09185
; PRIOR FILING DATE: 2002-08-16
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 181
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-488-374-2

Query Match 96.9%; Score 836; DB 16; Length 181;
Best Local Similarity 96.4%; Pred. No. 7e-80; Indels 4; Gaps 1;
Matches 161; Conservative 0; Mismatches 2;

Qy 2 HHHHH---VRSSSRTPSDKPVAVHVVANPQAEQQLWLNRRANALLANGVELRDNLV 57
Db 15 HHHHHGSDGASSSRTPSDKPVAVHVVANPQAEQQLWLNRRANALLANGVELRDNLV 74

Qy 58 PSEGLYLIYSQVLPKGGCGPSTHLLTHTTSRIASVYQTKVNLLSAIKSPCQRETPEGAE 117
Db 75 PSEGLYLIYSQVLPKGGCGPSTHLLTHTTSRIASVYQTKVNLLSAIKSPCQRETPEGAE 134

Qy 118 AKPWYEPYLGGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIALL 164
Db 135 AKPWYEPYLGGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIALL 181

RESULT 5
US-09-903-327A-11
; Sequence 11, Application US/09903327A
; Patent No. US20020164333A1
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; GENERAL INFORMATION:
; APPLICANT: Nemerow, Glen R.
; TITLE OF INVENTION: BIFUNCTIONAL MOLECULES AND VECTORS COMPLEXED THEREWITH FOR TARGET
; TITLE OF INVENTION: GENE
; TITLE OF INVENTION: DELIVERY
; FILE REFERENCE: 22908-1228
; CURRENT APPLICATION NUMBER: US/09/903,327A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 09/613,017
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 597
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein with N-terminal portion of DAV-1 heavy chain
; OTHER INFORMATION: and TNF alpha mature peptide
US-09-903-327A-11

Query Match          94.7%; Score 817; DB 9; Length 597;
Best Local Similarity 98.8%; Pred. No. 3.3e-77;
Matches 158; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 HHRVSSRTPSDKPVAVHVNPAEQQLQWLNRRANALLANGVELRDNLQVVPSEGLYL 64
DB HEFVSSRTPSDKPVAVHVNPAEQQLQWLNRRANALLANGVELRDNLQVVPSEGLYL 497

QY 65 IYSQVLFKGGCPSTHVLTTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAAKWPYEP 124
DB 498 IYSQVLFKGGCPSTHVLTTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAAKWPYEP 557

QY 125 IYLGGVFQLEKGDRLSAEINRPDYLDFAESGQVYFGIIAL 164
DB 558 IYLGGVFQLEKGDRLSAEINRPDYLDFAESGQVYFGIIAL 597

RESULT 6
US-10-738-423-8
; Sequence 8, Application US/10738423
; Publication No. US2004022938A1
; GENERAL INFORMATION:
; APPLICANT: Bermudes, G.
; APPLICANT: King, I.
; APPLICANT: Clairmont, C.
; APPLICANT: Lin, S.
; APPLICANT: Belcourt, M.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: TUMOR-TARGETED DELIVERY OF EFFECTOR MOLECULES
; FILE REFERENCE: 8002-059
; CURRENT APPLICATION NUMBER: US/10/738,423
; CURRENT FILING DATE: 2003-12-16
; PRIOR APPLICATION NUMBER: US/09/645,415
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/157,581
; PRIOR FILING DATE: 1999-10-04
; PRIOR APPLICATION NUMBER: 60/157,637
; PRIOR FILING DATE: 1999-10-04
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 180
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion construct
US-10-738-423-8

Query Match          94.6%; Score 816; DB 16; Length 180;
Best Local Similarity 99.4%; Pred. No. 9e-78;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 6 HHRVSSRTPSDKPVAVHVNPAEQQLQWLNRRANALLANGVELRDNLQVVPSEGLYL 65
DB 22 HMRSSSRTPSDKPVAVHVNPAEQQLQWLNRRANALLANGVELRDNLQVVPSEGLYL 81

QY 66 YSOVLFKGGCPSTHVLTTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAAKWPYEP 125
DB 82 YSOVLFKGGCPSTHVLTTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAAKWPYEP 141

QY 126 IYLGGVFQLEKGDRLSAEINRPDYLDFAESGQVYFGIIAL 164
DB 142 IYLGGVFQLEKGDRLSAEINRPDYLDFAESGQVYFGIIAL 180

RESULT 7
US-10-295-074-49
; Sequence 49, Application US/10295074
; Publication No. US20030185845A1
; GENERAL INFORMATION:
; APPLICANT: Pharmexa A/S
; TITLE OF INVENTION: NOVEL IMMUNOGENIC MIMETICS OF MULTIMER PROTEINS
; FILE REFERENCE: P1013DK00
; CURRENT APPLICATION NUMBER: US/10/295,074
; CURRENT FILING DATE: 2002-11-15
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 49
; LENGTH: 514
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: 3 hTNF sequences joined by glycine linkers and tetanus toxoid P2
; OTHER INFORMATION: and P30 epitopes
US-10-295-074-49

Query Match          94.4%; Score 815; DB 14; Length 514;
Best Local Similarity 98.8%; Pred. No. 4.5e-77;
Matches 158; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 HHRVSSRTPSDKPVAVHVNPAEQQLQWLNRRANALLANGVELRDNLQVVPSEGLYL 64
DB 355 HLEVRSSRTPSDKPVAVHVNPAEQQLQWLNRRANALLANGVELRDNLQVVPSEGLYL 414

QY 65 IYSQVLFKGGCPSTHVLTTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAAKWPYEP 124
DB 415 IYSQVLFKGGCPSTHVLTTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAAKWPYEP 474

QY 125 IYLGGVFQLEKGDRLSAEINRPDYLDFAESGQVYFGIIAL 164
DB 475 IYLGGVFQLEKGDRLSAEINRPDYLDFAESGQVYFGIIAL 514

RESULT 8
US-10-295-074-51
; Sequence 51, Application US/10295074
; Publication No. US20030185845A1
; GENERAL INFORMATION:
; APPLICANT: Pharmexa A/S
; TITLE OF INVENTION: NOVEL IMMUNOGENIC MIMETICS OF MULTIMER PROTEINS
; FILE REFERENCE: P1013DK00
; CURRENT APPLICATION NUMBER: US/10/295,074
; CURRENT FILING DATE: 2002-11-15
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 51
; LENGTH: 514
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: 3 hTNF monomers joined by tri-glycine linkers and tetanus toxoid
; OTHER INFORMATION: P2 and P30 epitopes
US-10-295-074-51

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; PRIOR FILING DATE: 1992-09-11
; PRIOR APPLICATION NUMBER: U.S. 07/853,606
; PRIOR FILING DATE: 1992-03-18
; PRIOR APPLICATION NUMBER: U.S. 07/670,827
; PRIOR FILING DATE: 1991-03-18
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-756-301A-1

Query Match 93.9%; Score 810; DB 9; Length 157;
Best Local Similarity 100.0%; Pred. No. 3.3e-77;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 VRSSRTSPDKPVAVHVNPAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 67
DB 1 VRSSRTSPDKPVAVHVNPAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 60
QY 68 QVLFKGQGCPSHTVLLTHTTISRIVSYQTKVNLLSAISKSPCORETPEGAEAKPWYEPYIYL 127
DB 61 QVLFKGQGCPSHTVLLTHTTISRIVSYQTKVNLLSAISKSPCORETPEGAEAKPWYEPYIYL 120
QY 128 GGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIIAL 164
DB 121 GGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIIAL 157

RESULT 12
US-09-927-703-1
; Sequence 1, Application US/09927703
; Patent No. US2002002270A1
; GENERAL INFORMATION:
; APPLICANT: Le, Junming
; APPLICANT: Vilcek, Jan
; APPLICANT: Daddona, Peter
; APPLICANT: Ghraieb, John
; APPLICANT: Knight, David M.
; APPLICANT: Siegel, Scott
; TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
; TITLE OF INVENTION: Human Tumor Necrosis Factor
; FILE REFERENCE: 0975.1005-013
; CURRENT APPLICATION NUMBER: US/09/927,703
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: U.S. 09/756,398
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: U.S. 09/133,119
; PRIOR FILING DATE: 1998-08-12
; PRIOR APPLICATION NUMBER: U.S. 08/570,674
; PRIOR FILING DATE: 1995-12-11
; PRIOR APPLICATION NUMBER: U.S. 08/324,799
; PRIOR FILING DATE: 1994-10-18
; PRIOR APPLICATION NUMBER: U.S. 08/192,102
; PRIOR FILING DATE: 1994-02-04
; PRIOR APPLICATION NUMBER: U.S. 08/192,861
; PRIOR FILING DATE: 1994-02-04
; PRIOR APPLICATION NUMBER: U.S. 08/192,093
; PRIOR FILING DATE: 1994-02-04
; PRIOR APPLICATION NUMBER: U.S. 08/010,406
; PRIOR FILING DATE: 1993-01-29
; PRIOR APPLICATION NUMBER: U.S. 08/013,413
; PRIOR FILING DATE: 1993-02-02
; PRIOR APPLICATION NUMBER: U.S. 07/943,852
; PRIOR FILING DATE: 1992-09-11
; PRIOR APPLICATION NUMBER: U.S. 07/853,606
; PRIOR FILING DATE: 1992-03-18
; PRIOR APPLICATION NUMBER: U.S. 07/670,827
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1

; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-927-703-1

Query Match 93.9%; Score 810; DB 9; Length 157;
Best Local Similarity 100.0%; Pred. No. 3.3e-77;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 VRSSRTSPDKPVAVHVNPAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 67
DB 1 VRSSRTSPDKPVAVHVNPAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 60
QY 68 QVLFKGQGCPSHTVLLTHTTISRIVSYQTKVNLLSAISKSPCORETPEGAEAKPWYEPYIYL 127
DB 61 QVLFKGQGCPSHTVLLTHTTISRIVSYQTKVNLLSAISKSPCORETPEGAEAKPWYEPYIYL 120
QY 128 GGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIIAL 164
DB 121 GGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIIAL 157

RESULT 13
US-09-854-280-19
; Sequence 19, Application US/09854280
; Patent No. US20020052027A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin
; APPLICANT: Li, Hanzhong
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
; FILE REFERENCE: P1381R1C2
; CURRENT APPLICATION NUMBER: US/09/854,280
; CURRENT FILING DATE: 2001-05-10
; PRIOR APPLICATION NUMBER: US 09/311,832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: US 60/085,579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 60/113,621
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 19
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-280-19

Query Match 93.9%; Score 810; DB 9; Length 157;
Best Local Similarity 100.0%; Pred. No. 3.3e-77;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 VRSSRTSPDKPVAVHVNPAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 67
DB 1 VRSSRTSPDKPVAVHVNPAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 60
QY 68 QVLFKGQGCPSHTVLLTHTTISRIVSYQTKVNLLSAISKSPCORETPEGAEAKPWYEPYIYL 127
DB 61 QVLFKGQGCPSHTVLLTHTTISRIVSYQTKVNLLSAISKSPCORETPEGAEAKPWYEPYIYL 120
QY 128 GGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIIAL 164
DB 121 GGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIIAL 157

RESULT 14
US-09-934-465-13
; Sequence 13, Application US/09934465
; Patent No. US20020102233A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.

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; TITLE OF INVENTION: APO-2 LIGAND
; FILE REFERENCE: 11669.22US03
; CURRENT APPLICATION NUMBER: US/09/934,465
; CURRENT FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: 08/584,031
; PRIOR FILING DATE: 1996-01-09
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-934-465-13

Query Match      93.9%; Score 810; DB 9; Length 157;
Best Local Similarity 100.0%; Pred. No. 3.3e-77;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 VRSSRTPSDKPVAVHVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 67
Db 1 VRSSRTPSDKPVAVHVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 60

Qy 68 QVLFKGGQCPSTHLLTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAEAKPWYEPYIL 127
Db 61 QVLFKGGQCPSTHLLTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAEAKPWYEPYIL 120

Qy 128 GGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIIAL 164
Db 121 GGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIIAL 157
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RESULT 15
US-09-766-535A-1
; Sequence 1, Application US/09766535A
; Patent No. US20020106372A1
; GENERAL INFORMATION:
; APPLICANT: Le, Junming
; APPLICANT: Vilcek, Jan
; APPLICANT: Daddona, Peter
; APPLICANT: Grayeb, John
; APPLICANT: Knight, David M.
; APPLICANT: Siegel, Scott
; TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
; FILE REFERENCE: 0975.1005-010
; CURRENT APPLICATION NUMBER: US/09/766,535A
; CURRENT FILING DATE: 2001-01-18
; PRIOR APPLICATION NUMBER: U.S. 09/133,119
; PRIOR FILING DATE: 1998-08-12
; PRIOR APPLICATION NUMBER: U.S. 08/570,674
; PRIOR FILING DATE: 1995-12-11
; PRIOR APPLICATION NUMBER: U.S. 08/324,799
; PRIOR FILING DATE: 1994-10-18
; PRIOR APPLICATION NUMBER: U.S. 08/192,102
; PRIOR FILING DATE: 1994-02-04
; PRIOR APPLICATION NUMBER: U.S. 08/192,861
; PRIOR FILING DATE: 1994-02-04
; PRIOR APPLICATION NUMBER: U.S. 08/192,093
; PRIOR FILING DATE: 1994-02-04
; PRIOR APPLICATION NUMBER: U.S. 08/010,406
; PRIOR FILING DATE: 1993-01-29
; PRIOR APPLICATION NUMBER: U.S. 08/013,413
; PRIOR FILING DATE: 1993-02-02
; PRIOR APPLICATION NUMBER: U.S. 07/943,852
; PRIOR FILING DATE: 1992-09-11
; PRIOR APPLICATION NUMBER: U.S. 07/853,606
; PRIOR FILING DATE: 1992-03-18
; PRIOR APPLICATION NUMBER: U.S. 07/670,827
; PRIOR FILING DATE: 1991-03-18
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 157
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-766-535A-1

Query Match      93.9%; Score 810; DB 9; Length 157;
Best Local Similarity 100.0%; Pred. No. 3.3e-77;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 VRSSRTPSDKPVAVHVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 67
Db 1 VRSSRTPSDKPVAVHVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 60

Qy 68 QVLFKGGQCPSTHLLTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAEAKPWYEPYIL 127
Db 61 QVLFKGGQCPSTHLLTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAEAKPWYEPYIL 120

Qy 128 GGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIIAL 164
Db 121 GGVFQLEKGDRLSAEINRPDYLDFAESGVYFGIIAL 157

Search completed: July 26, 2005, 11:34:01
Job time : 156 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 26, 2005, 11:08:55 ; Search time 42 Seconds
(without alignments)
291.487 Million cell updates/sec

Title: US-09-981-289A-2
Perfect score: 863
Sequence: 1 MHHHHVRSSTPTSDKPV.....RPDYLDFAESQVFGIIL 164

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	810	93.9	157	US-08-041-648-2	Sequence 2, Appli
3	810	93.9	157	US-08-107-235-1	Sequence 1, Appli
4	810	93.9	157	US-08-217-529-2	Sequence 2, Appli
5	810	93.9	157	US-08-318-193-86	Sequence 86, Appli
6	810	93.9	157	US-08-397-470-1	Sequence 1, Appli
7	810	93.9	157	US-08-192-102-1	Sequence 1, Appli
8	810	93.9	157	US-08-324-799-1	Sequence 1, Appli
9	810	93.9	157	US-08-538-875-1	Sequence 1, Appli
10	810	93.9	157	US-08-394-600B-17	Sequence 17, Appli
11	810	93.9	157	US-08-500-860A-35	Sequence 35, Appli
12	810	93.9	157	US-08-192-861A-1	Sequence 1, Appli
13	810	93.9	157	US-08-600-783-5	Sequence 5, Appli
14	810	93.9	157	US-08-584-031-13	Sequence 13, Appli
15	810	93.9	157	US-08-714-960B-1	Sequence 1, Appli
16	810	93.9	157	US-09-133-119-1	Sequence 1, Appli
17	810	93.9	157	US-08-192-093A-1	Sequence 1, Appli
18	810	93.9	157	US-09-598-784-1	Sequence 1, Appli
19	810	93.9	157	US-09-496-118B-7	Sequence 7, Appli
20	810	93.9	157	US-08-395-456C-17	Sequence 17, Appli
21	810	93.9	157	US-08-487-453A-17	Sequence 17, Appli
22	810	93.9	157	US-09-582-450-13	Sequence 13, Appli
23	810	93.9	157	US-09-934-465-13	Sequence 13, Appli
24	810	93.9	157	US-09-756-301B-1	Sequence 1, Appli
25	810	93.9	157	US-09-756-398B-1	Sequence 1, Appli
26	810	93.9	157	PCT-US92-02190-1	Sequence 1, Appli
27	810	93.9	157	PCT-US93-02475-1	Sequence 1, Appli

28	810	93.9	157	5	PCT-US95-02513-17	Sequence 17, Appli
29	810	93.9	157	6	5180811-1	Patent No. 5180811
30	810	93.9	157	6	5180811-1	Patent No. 5180811
31	810	93.9	177	2	US-08-394-600B-21	Sequence 21, Appli
32	810	93.9	177	4	US-08-395-456C-21	Sequence 21, Appli
33	810	93.9	177	4	US-08-487-453A-21	Sequence 21, Appli
34	810	93.9	177	5	PCT-US95-02513-21	Sequence 21, Appli
35	810	93.9	193	2	US-08-889-909A-3	Sequence 3, Appli
36	810	93.9	193	3	US-09-156-163A-3	Sequence 3, Appli
37	810	93.9	193	4	US-09-982-308B-3	Sequence 3, Appli
38	810	93.9	233	1	US-08-323-445A-10	Sequence 10, Appli
39	810	93.9	233	1	US-08-515-903A-10	Sequence 10, Appli
40	810	93.9	233	2	US-08-912-227-3	Sequence 3, Appli
41	810	93.9	233	2	US-08-230-428B-2	Sequence 2, Appli
42	810	93.9	233	3	US-08-883-086-6	Sequence 6, Appli
43	810	93.9	233	3	US-08-880-342-37	Sequence 37, Appli
44	810	93.9	233	4	US-09-589-287B-3	Sequence 3, Appli
45	810	93.9	233	4	US-09-513-584-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-07-794-400-1
; Sequence 1, Application US/077944400
; Patent No. 5422104
; GENERAL INFORMATION:
; APPLICANT: Fiers, W.
; APPLICANT: Tavernier, J.
; APPLICANT: Van Ootende, X.
; TITLE OF INVENTION: TNF-Mutins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07794,400
; FILING DATE: 19911120
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 90810901.0
; FILING DATE: 21-NOV-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Kovatin, William
; REGISTRATION NUMBER: 33256
; REFERENCE/DOCKET NUMBER: 4105/136-00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (201) 235-4387
; TELEFAX: (201) 235-3500
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 157 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; TISSUE TYPE: Blood
; CELL TYPE: Macrophage
; US-07-794-400-1

Query Match 93.9%; Score 810; DB 1; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.3e-76;

APPLICANT: Banner, David
APPLICANT: Lesslauer, Werner
APPLICANT: Lotscher, Hansreud
APPLICANT: Stuber, Dietrich
TITLE OF INVENTION: Tumor Necrosis Factor Muteins
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: George M. Gould, Esq., Hoffmann-La Roche Inc.
STREET: 340 Kingsland Street
CITY: Nutley
STATE: New Jersey
COUNTRY: U.S.
ZIP: 07110

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: 24-MAR-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 93810224.1
FILING DATE: 29-MAR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Roseman, Catherine R
REGISTRATION NUMBER: 34240
REFERENCE/DOCKET NUMBER: 4105/155
TELECOMMUNICATION INFORMATION:
TELEPHONE: (201) 235-6208
TELEFAX: (201) 235-3500
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 157 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-217-529-2

Query Match 93.9%; Score 810; DB 1; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.3e-76;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 VRSSRTSPDKPVAVHVPANPQAEGLQWLNRRANALLANGVELRDNLQVVPSEGLYLIYS 67
DB 1 VRSSRTSPDKPVAVHVPANPQAEGLQWLNRRANALLANGVELRDNLQVVPSEGLYLIYS 60

QY 68 QVLFKGGCGPSTHLLTHTTISRIVSYQTKVNLSSAISKSPQORETPEGAEAKPWYEPYIL 127
DB 61 QVLFKGGCGPSTHLLTHTTISRIVSYQTKVNLSSAISKSPQORETPEGAEAKPWYEPYIL 120

QY 128 GGVFQLEKGRSLAEINRPDYLDPAESGQVYFGIIAL 164
DB 121 GGVFQLEKGRSLAEINRPDYLDPAESGQVYFGIIAL 157

RESULT 5
US-08-318-193-86
Sequence 86, Application US/08318193
Patent No. 5641663
GENERAL INFORMATION:
APPLICANT: GARVIN, Robert T.
APPLICANT: MALEK, Lawrence T.
TITLE OF INVENTION: AN EXPRESSION SYSTEM FOR THE SECRETION
TITLE OF INVENTION: OF BIOACTIVE HUMAN GRANULOCYTE MACROPHAGE COLONY
TITLE OF INVENTION: STIMULATING FACTOR (GM-CSF) AND OTHER HETEROLOGOUS
TITLE OF INVENTION: PROTEINS FROM STREPTOMYCES
NUMBER OF SEQUENCES: 91
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria

STATE: Virginia
COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/318.193
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935.314
FILING DATE:
APPLICATION NUMBER: US 07/224.568
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 18740/116 CACO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-9300
TELEFAX: (703) 683-4109
INFORMATION FOR SEQ ID NO: 86:
SEQUENCE CHARACTERISTICS:
LENGTH: 157 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-318-193-86

Query Match 93.9%; Score 810; DB 1; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.3e-76;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 VRSSRTSPDKPVAVHVPANPQAEGLQWLNRRANALLANGVELRDNLQVVPSEGLYLIYS 67
DB 1 VRSSRTSPDKPVAVHVPANPQAEGLQWLNRRANALLANGVELRDNLQVVPSEGLYLIYS 60

QY 68 QVLFKGGCGPSTHLLTHTTISRIVSYQTKVNLSSAISKSPQORETPEGAEAKPWYEPYIL 127
DB 61 QVLFKGGCGPSTHLLTHTTISRIVSYQTKVNLSSAISKSPQORETPEGAEAKPWYEPYIL 120

QY 128 GGVFQLEKGRSLAEINRPDYLDPAESGQVYFGIIAL 164
DB 121 GGVFQLEKGRSLAEINRPDYLDPAESGQVYFGIIAL 157

RESULT 6
US-08-397-470-1
Sequence 1, Application US/08397470
Patent No. 5652353
GENERAL INFORMATION:
APPLICANT: Fiers, W.
APPLICANT: Tavernier, J.
APPLICANT: Van Ostade, X.
TITLE OF INVENTION: TNF-Muteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hoffmann-La Roche Inc.
STREET: 340 Kingsland Street
CITY: Nutley
STATE: New Jersey
COUNTRY: USA
ZIP: 07110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/397.470

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; FILING DATE: 01-MAR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 07/794,400
; FILING DATE: 20-NOV-1991
; APPLICATION NUMBER: EP 90810901.0
; FILING DATE: 21-NOV-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Krovatin, William
; REGISTRATION NUMBER: 33256
; REFERENCE/DOCKET NUMBER: 4105/136-00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (201) 235-4387
; TELEFAX: (201) 235-3500
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 157 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORGANISM: Homo sapiens
; TISSUE TYPE: Blood
; CELL TYPE: Macrophage
; US-08-397-470-1

Query Match          93.9%; Score 810; DB 1; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.3e-76;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 VRSSRTPSDKPAHVAVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 67
Db 1 VRSSRTPSDKPAHVAVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 60
Qy 68 QVLFKGGQCPSTHLLTHTISRIASVYQTKNLLSAIKSPCQRETPEGAAKPYEPIYL 127
Db 61 QVLFKGGQCPSTHLLTHTISRIASVYQTKNLLSAIKSPCQRETPEGAAKPYEPIYL 120
Qy 128 GGVFQLEKGDRLSAEINRPDYLDFAESQVYFGIALL 164
Db 121 GGVFQLEKGDRLSAEINRPDYLDFAESQVYFGIALL 157

RESULT 7
US-08-192-102-1
; Sequence 1, Application US/08192102
; Patent No. 5656272
; GENERAL INFORMATION:
; APPLICANT: Le, Junning
; APPLICANT: Vilcek, Jan
; APPLICANT: Daddona, Peter E.
; APPLICANT: Ghayeb, John
; APPLICANT: Knight, David M.
; APPLICANT: Siegel, Scott A.
; TITLE OF INVENTION: ANTI-TNF ANTIBODIES AND ASSAYS EMPLOYING
; TITLE OF INVENTION: ANTI-TNF ANTIBODIES
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/192,102
; FILING DATE: 04-FEB-1994
; CLASSIFICATION: 424
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/192,093
; FILING DATE: 04-FEB-1994
; APPLICATION NUMBER: US 08/013,413
; FILING DATE: 02-FEB-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/010,406
; FILING DATE: 29-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/943,852
; FILING DATE: 11-SEP-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/853,606
; FILING DATE: 18-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/670,827
; FILING DATE: 18-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: NYU93-01M3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 861-6240
; TELEFAX: (617) 861-9540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 157 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-192-102-1

Query Match          93.9%; Score 810; DB 1; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.3e-76;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 VRSSRTPSDKPAHVAVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 67
Db 1 VRSSRTPSDKPAHVAVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 60
Qy 68 QVLFKGGQCPSTHLLTHTISRIASVYQTKNLLSAIKSPCQRETPEGAAKPYEPIYL 127
Db 61 QVLFKGGQCPSTHLLTHTISRIASVYQTKNLLSAIKSPCQRETPEGAAKPYEPIYL 120
Qy 128 GGVFQLEKGDRLSAEINRPDYLDFAESQVYFGIALL 164
Db 121 GGVFQLEKGDRLSAEINRPDYLDFAESQVYFGIALL 157

RESULT 8
US-08-324-799-1
; Sequence 1, Application US/08324799
; Patent No. 5698195
; GENERAL INFORMATION:
; APPLICANT: Le, Junning
; APPLICANT: Vilcek, Jan
; APPLICANT: Daddona, Peter E.
; APPLICANT: Ghayeb, John
; APPLICANT: Knight, David M.
; APPLICANT: Siegel, Scott A.
; TITLE OF INVENTION: ANTI-TNF ANTIBODIES AND PEPTIDES
; TITLE OF INVENTION: OF HUMAN TUMOR NECROSIS FACTOR
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/324,799
; FILING DATE: 18-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/192,093
; FILING DATE: 04-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/192,102
; FILING DATE: 04-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/192,861
; FILING DATE: 04-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/013,413
; FILING DATE: 02-FEB-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/010,406
; FILING DATE: 29-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/943,852
; FILING DATE: 11-SEP-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/853,606
; FILING DATE: 18-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/670,827
; FILING DATE: 18-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: NYU93-01M4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 861-6240
; TELEFAX: (617) 861-9540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 157 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-324-799-1

Query Match 93.9%; Score 810; DB 1; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.3e-76;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 VRSSRTPSDKPVAVVAVNPQAEGLQWLNRRANALLANGVELRDNLQVVPSEGLYLIYS 67
DB 1 VRSSRTPSDKPVAVVAVNPQAEGLQWLNRRANALLANGVELRDNLQVVPSEGLYLIYS 60
QY 68 QVLFKGGCGPSTHLLTHTTISRIVSYQTKVNLSSAISKPCQRETPEGAEAKPWYEPYIL 127
DB 61 QVLFKGGCGPSTHLLTHTTISRIVSYQTKVNLSSAISKPCQRETPEGAEAKPWYEPYIL 120
QY 128 GGVFQLEKGDRLSAEINRPDYLDFAESGGVYFGIIAL 164
DB 121 GGVFQLEKGDRLSAEINRPDYLDFAESGGVYFGIIAL 157

RESULT 9
US-08-538-875-1
; Sequence 1, Application US/08538875
; GENERAL INFORMATION:
; APPLICANT: Shin, Hang-Cheol
; APPLICANT: Shin, Nam-Kyu
; APPLICANT: Lee, Inkyung
; APPLICANT: Kang, Sungzong
; TITLE OF INVENTION: TUMOR NECROSIS FACTOR MUTAINS
; NUMBER OF SEQUENCES: 73
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Shin, Hang-Cheol
; STREET: Jukong Gocheung Apt. 1014-806, Haan-dong
; CITY: Kwangmyung-shi
; STATE: Kyungki-do
; COUNTRY: Republic of Korea
; ZIP: 423-060
; ADDRESSEE: Shin, Nam-Kyu
; STREET: #181-404 Sadang-4-dong, Dongjak-ku
; CITY: Seoul
; STATE:
; COUNTRY: Republic of Korea
; ZIP: 156-094
; ADDRESSEE: Lee, Inkyung
; STREET: 11/2, #302-39 Juan-4-dong, Nam-ku
; CITY: Incheon
; STATE:
; COUNTRY: Republic of Korea
; ZIP: 402-204
; ADDRESSEE: Kang, Sungzong
; STREET: #84-4 Daeshin-dong, Seodaemun-ku
; CITY: Seoul
; STATE:
; COUNTRY: Republic of Korea
; ZIP: 120-160
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette 3.5inch 2.0Mb storage
; COMPUTER: IBM PC/AT
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/538,875
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US/08/193,336
; FILING DATE:
; APPLICATION NUMBER: KR 93-1751
; FILING DATE: 9-FEB-1993
; ATTORNEY/AGENT INFORMATION:
; NAME:
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE:
; TELEFAX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 157 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-538-875-1

Query Match 93.9%; Score 810; DB 1; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.3e-76;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 VRSSRTPSDKPVAVVAVNPQAEGLQWLNRRANALLANGVELRDNLQVVPSEGLYLIYS 67
DB 1 VRSSRTPSDKPVAVVAVNPQAEGLQWLNRRANALLANGVELRDNLQVVPSEGLYLIYS 60
QY 68 QVLFKGGCGPSTHLLTHTTISRIVSYQTKVNLSSAISKPCQRETPEGAEAKPWYEPYIL 127
DB 61 QVLFKGGCGPSTHLLTHTTISRIVSYQTKVNLSSAISKPCQRETPEGAEAKPWYEPYIL 120
QY 128 GGVFQLEKGDRLSAEINRPDYLDFAESGGVYFGIIAL 164
DB 121 GGVFQLEKGDRLSAEINRPDYLDFAESGGVYFGIIAL 157

RESULT 10
US-08-394-600B-17
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; Sequence 17, Application US/08394600B
; Patent No. 5843693
; GENERAL INFORMATION:
; APPLICANT: Halenbeck, Robert P.
; APPLICANT: Jewell, David A.
; APPLICANT: Kothe, Kirsten E.
; APPLICANT: Kriegler, Michael
; APPLICANT: Perez, Carl
; TITLE OF INVENTION: Compositions for the Inhibition of
; PROTEIN HORMONE FORMATION AND USES THEREOF
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McAndrews, Held & Malloy, Ltd.
; STREET: 500 West Madison Street; 34th Floor
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60661
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/394,600B
; FILING DATE: 02/27/95
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Donald J. Fochoplen
; REGISTRATION NUMBER: 32,167
; REFERENCE/DOCKET NUMBER: 820.005/11850US05
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/707-8889
; TELEFAX: 312/707-9155
; TELEX:
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 157 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-394-600B-17

Query Match 93.9%; Score 810; DB 2; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.3e-76;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 VRSSRTPSDKPVAVHVNPAQEGQLWLNRRNALLANGVELRDNLVVPSEGLYLIYS 67
Db 1 VRSSRTPSDKPVAVHVNPAQEGQLWLNRRNALLANGVELRDNLVVPSEGLYLIYS 60

Qy 68 QVLFKGQGCPSHTVLLTHTTISRIVSVYQTKNLLSAIKSPCQRETPEGAAKPYEPIYL 127
Db 61 QVLFKGQGCPSHTVLLTHTTISRIVSVYQTKNLLSAIKSPCQRETPEGAAKPYEPIYL 120

Qy 128 GGVFQLEKGDRLSAEINRPDYLDFAESQVYFGIIAL 164
Db 121 GGVFQLEKGDRLSAEINRPDYLDFAESQVYFGIIAL 157

RESULT 11
US-08-500-860A-35
; Sequence 35, Application US/08500860A
; Patent No. 5691679
; GENERAL INFORMATION:
; APPLICANT: LUCAS, RUDOLPH
; APPLICANT: DE BAETSELIER, PATRICK
; APPLICANT: FRANSEN, LUCIE
; APPLICANT: SABLOM, ERWIN
; TITLE OF INVENTION: TNF-MUTAINS, A PROCESS FOR PREPARING THEM AND
; THEIR USE AS ACTIVE SUBSTANCES IN PHARMACEUTICAL COMPOSITIONS
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
```

```
; ADDRESSEE: NIXON & VANDERHUYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/500,860A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: BYRNE, THOMAS E.
; REGISTRATION NUMBER: 32,205
; REFERENCE/DOCKET NUMBER: 1487-8
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)816-4000
; TELEFAX: (703)816-4100
; TELEX: 200797 NIXN OR
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 157 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-500-860A-35

Query Match 93.9%; Score 810; DB 2; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.3e-76;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 VRSSRTPSDKPVAVHVNPAQEGQLWLNRRNALLANGVELRDNLVVPSEGLYLIYS 67
Db 1 VRSSRTPSDKPVAVHVNPAQEGQLWLNRRNALLANGVELRDNLVVPSEGLYLIYS 60

Qy 68 QVLFKGQGCPSHTVLLTHTTISRIVSVYQTKNLLSAIKSPCQRETPEGAAKPYEPIYL 127
Db 61 QVLFKGQGCPSHTVLLTHTTISRIVSVYQTKNLLSAIKSPCQRETPEGAAKPYEPIYL 120

Qy 128 GGVFQLEKGDRLSAEINRPDYLDFAESQVYFGIIAL 164
Db 121 GGVFQLEKGDRLSAEINRPDYLDFAESQVYFGIIAL 157

RESULT 12
US-08-192-861A-1
; Sequence 1, Application US/08192861A
; Patent No. 5919452
; GENERAL INFORMATION:
; APPLICANT: Le, Junming
; APPLICANT: Vilcek, Jan
; APPLICANT: Daddona, Peter E.
; APPLICANT: Grayeb, John
; APPLICANT: Knight, David M.
; APPLICANT: Siegel, Scott A.
; TITLE OF INVENTION: METHODS OF TREATING TNF-MEDIATED DISEASE USING
; CHIMERIC ANTI-TNF ANTIBODIES (As Amended)
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/192,861A
/ FILING DATE: 04-FEB-1994
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/013,413
/ FILING DATE: 02-FEB-1993
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/010,406
/ FILING DATE: 29-JAN-1993
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/943,852
/ FILING DATE: 11-SEP-1992
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/853,606
/ FILING DATE: 18-MAR-1992
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/670,827
/ FILING DATE: 18-MAR-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Brook, David E.
/ REGISTRATION NUMBER: 22,592
/ REFERENCE/DOCKET NUMBER: NYU93-01M2
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (781) 861-6240
/ TELEFAX: (781) 861-9540
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 157 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ US-08-192-861A-1

Query Match 93.9%; Score 810; DB 2; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.3e-76;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 VRSSRTSDKPVAVHVPANQAEGLQWLNRRANALLANGVELRNQLVVPSGGLYIYS 67
DB 1 VRSSRTSDKPVAVHVPANQAEGLQWLNRRANALLANGVELRNQLVVPSGGLYIYS 60

QY 68 QVLFKGQGCPTSTHLLTHTISRIASVYQTKVLLSAIKSPCQRETPEGAEKFWYEPYIL 127
DB 61 QVLFKGQGCPTSTHLLTHTISRIASVYQTKVLLSAIKSPCQRETPEGAEKFWYEPYIL 120

QY 128 GGVFQLEKGDRLSAEINRPDYLDFAESGQVYFGIIAL 164
DB 121 GGVFQLEKGDRLSAEINRPDYLDFAESGQVYFGIIAL 157

RESULT 13
US-08-600-783-5
; Sequence 5, Application US/08600783
; Patent No. 5962267
; GENERAL INFORMATION:
; APPLICANT: SHIN, Hang Cheol
; APPLICANT: CHANG, Seung Gu
; APPLICANT: KIM, Dae Young
; APPLICANT: KIM, Chong Suhll
; TITLE OF INVENTION: Proinsulin Derivative and Process
; TITLE OF INVENTION: for Producing Human Insulin
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SHIN, Hang Cheol
; STREET: Ssangma-Hanshin Apt. 102-1206,
; CITY: Kwangmyung-ehi
; STATE: Kyungki-do
; COUNTRY: Republic of Korea
; ZIP: 423-030
; ADDRESSEE: CHANG, Seung Gu

/ STREET: Hyundai Apt. 71-203, Apkujong-dong,
/ STREET: Kangnam-ku
/ CITY: Seoul
/ STATE: Seoul
/ COUNTRY: Republic of Korea
/ ZIP: 135-110
/ ADDRESSEE: KIM, Dae Young
/ STREET: Sosa Jukong Apt. 108-202, Sosa Bon-dong,
/ STREET: Sosa-ku
/ CITY: Bucheon-shi
/ STATE: Kyungki-do
/ COUNTRY: Republic of Korea
/ ZIP: 422-230
/ ADDRESSEE: KIM, Chong Suhll
/ STREET: Garden Heights Apt. 202-801, #100,
/ STREET: Hwangkeum-dong, Soosung-ku
/ CITY: Taegu
/ STATE: Taegu
/ COUNTRY: Republic of Korea
/ ZIP: 706-040
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy Disk, 3.5 inch, 1.44MB storage
/ COMPUTER: IBM PC/AT
/ OPERATING SYSTEM: MS-DOS
/ SOFTWARE: Word Perfect 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/600,783
/ FILING DATE:
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: KR 95-2751
/ FILING DATE: 15-FEB-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Shahan Islam
/ REGISTRATION NUMBER: 32,507
/ REFERENCE/DOCKET NUMBER:
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212) 278-1000
/ TELEFAX: (212) 953-7249
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 157 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-08-600-783-5

Query Match 93.9%; Score 810; DB 2; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.3e-76;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 VRSSRTSDKPVAVHVPANQAEGLQWLNRRANALLANGVELRNQLVVPSGGLYIYS 67
DB 1 VRSSRTSDKPVAVHVPANQAEGLQWLNRRANALLANGVELRNQLVVPSGGLYIYS 60

QY 68 QVLFKGQGCPTSTHLLTHTISRIASVYQTKVLLSAIKSPCQRETPEGAEKFWYEPYIL 127
DB 61 QVLFKGQGCPTSTHLLTHTISRIASVYQTKVLLSAIKSPCQRETPEGAEKFWYEPYIL 120

QY 128 GGVFQLEKGDRLSAEINRPDYLDFAESGQVYFGIIAL 164
DB 121 GGVFQLEKGDRLSAEINRPDYLDFAESGQVYFGIIAL 157

RESULT 14
US-08-584-031-13
; Sequence 13, Application US/08584031A
; Patent No. 6030945
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; TITLE OF INVENTION: APO-2 LIGAND
; FILE REFERENCE: 11669.22US03
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; CURRENT APPLICATION NUMBER: US/08/584,031A
; CURRENT FILING DATE: 1996-01-09
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 13
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-584-031-13

Query Match 93.9%; Score 810; DB 3; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.3e-76;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 VRSSRTPSDKPVAVHVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 67
Db 1 VRSSRTPSDKPVAVHVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 60

Qy 68 QVLFKGGQCPSTHVLTHTTISRIASVYQTKVNLLSAISKSPCQRETPEGAAKPVYPIYL 127
Db 61 QVLFKGGQCPSTHVLTHTTISRIASVYQTKVNLLSAISKSPCQRETPEGAAKPVYPIYL 120

Qy 128 GGVFQLEKGDRLSAEINRPDYLDFAESQVYFGIALL 164
Db 121 GGVFQLEKGDRLSAEINRPDYLDFAESQVYFGIALL 157

RESULT 15

US-08-714-960B-1
; Sequence 1, Application US/08714960B
; Patent No. 6121237
; GENERAL INFORMATION:
; APPLICANT: RATHJEN, Deborah A
; APPLICANT: FERRANTE, Antonio
; TITLE OF INVENTION: Neutrophil Stimulating Peptides
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BANNER & WITCOFF, LTD.
; STREET: 10 S. Wacker Drive, Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 1.44 Mb storage diskette, 3.50 inch
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: IBM compatible PC/MS-DOS
; SOFTWARE: WordPerfect version 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/714,960B
; FILING DATE: 17-SEP-1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PJ9065
; FILING DATE: 12-MAR-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/AU91/00086
; FILING DATE: 12-MAR-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/930,415
; FILING DATE: 09-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/107,235
; FILING DATE: 16-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Resis, Robert H.
; REGISTRATION NUMBER: 32,168
; REFERENCE/DOCKET NUMBER: 92,622-B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 715-1000
; TELEFAX: (312) 715-1234
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 157 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..157
; OTHER INFORMATION: /note= "Human TNF"
US-08-714-960B-1

Query Match 93.9%; Score 810; DB 3; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.3e-76;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 VRSSRTPSDKPVAVHVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 67
Db 1 VRSSRTPSDKPVAVHVVANPQAEQQLWLNRRANALLANGVELRDNLVVPSEGLYLIYS 60

Qy 68 QVLFKGGQCPSTHVLTHTTISRIASVYQTKVNLLSAISKSPCQRETPEGAAKPVYPIYL 127
Db 61 QVLFKGGQCPSTHVLTHTTISRIASVYQTKVNLLSAISKSPCQRETPEGAAKPVYPIYL 120

Qy 128 GGVFQLEKGDRLSAEINRPDYLDFAESQVYFGIALL 164
Db 121 GGVFQLEKGDRLSAEINRPDYLDFAESQVYFGIALL 157

Search completed: July 26, 2005, 11:22:00
Job time : 43 secs